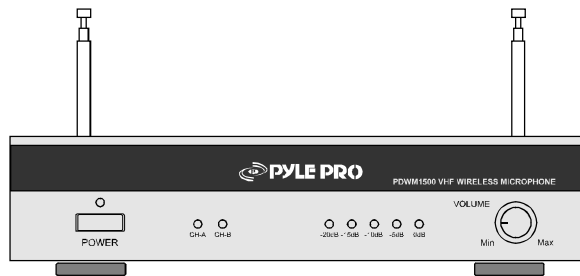




## PDWM1500 OPERATING INSTRUCTIONS

### WIRELESS MICROPHONE SYSTEM



- In order to ensure safe operation and a better performance, you as the user must be observe this operating instruncions.
- Specifications are subject to improve without notice
- The safely instructions and technical data are to be strictly observed. If you still have any questions, please contact with us.

## TECHNICAL SPECIFICATION

### SYSTEM:

FREQUENCY STABILITY----- $\pm 0.005\%$   
FREQUENCY RESPONSE----- 50Hz - 15KHz  
S/N RATE----- $> 60\text{dB}$   
MAXMUM VOICE PRESSURE----- $\geq 120\text{dB}$   
THD----- $\leq 1\%$   
OPERATING RANGE (IDEAL CONDITION)-----40M  
WORKING TEMPERATURE----- $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$

### TRANSMITTER:

OPERATING FREQUENCY (VHF)----- 210~280MHz  
FREQUENCY STABILITY-----15PPM  
MODULATION MODE-----FM  
MODULATION WIDTH----- 10KHz  
TRANSMITTING POWER-----30mVMAX  
HARMONIC WAVE INHIBITION-----40dB  
BATTERY-----DC1.5V(AA) $\times 3$   
ANTENNA-----Built in  
BATTERY CONSUMPTION-----25~30MA  
MEANSUREMENT----- $\phi 1.8 \times L10.2\text{inch}$   
 $\phi 45 \times L265\text{mm}$

### RECEIVER:

RECEIVING MODE -----QUARTZ FREQUENCY LOCKED  
OPERATING FREQUENCY (VHF)----- 210~280MHz  
FREQUENCY STABILITY:-----15PPM  
SENSITIVITY-----3uV 30dB S/N  
S/N RATE-----60dB  
AUDIO OUTPUT-----0~0.5V/4.7K  
MEASUREMENT----- $(L \times W \times H) 9.3 \times 8.3 \times 1.8\text{inch}$   
 $(235 \times 210 \times 45\text{mm})$   
POWER----- 110V/220V Selectable

## MALFUNCTION CHECKING

### RECEIVER

Problem	Possible cause	solution
Fail to operate	<ul style="list-style-type: none"> <li>Poor connecting of the receiver power or the power isn't correct</li> </ul>	<ul style="list-style-type: none"> <li>Check the operation power correct or not and plug it securely</li> </ul>
No receiver signal	<ul style="list-style-type: none"> <li>The transmitter is out of the effective range</li> <li>The frequency of the transmitter and the receiver isn't the same</li> <li>The antenna hasn't been drowm out</li> </ul>	<ul style="list-style-type: none"> <li>Operating it in the effective range</li> <li>Set the frequency to the same</li> <li>Drown out the antenna</li> </ul>
Distorted sound	<ul style="list-style-type: none"> <li>The volume of microphone is too high</li> </ul>	<ul style="list-style-type: none"> <li>reduce the volume of the microphone</li> </ul>

### TRANSMITTER

Problem	Possible cause	solution
Fail to operate	<ul style="list-style-type: none"> <li>The battery voltage isn't enough</li> <li>The battery isn't in correct polarity</li> </ul>	<ul style="list-style-type: none"> <li>Replace the batteries</li> <li>Install the batteries correctly</li> </ul>
No carrier signal	<ul style="list-style-type: none"> <li>The transmitter is working out of effective field</li> <li>The frequency of the transmitter and the receiver isn't the same.</li> </ul>	<ul style="list-style-type: none"> <li>Operating it in effective field</li> <li>set the frequency to the same</li> </ul>
Noise and distorted sound	<ul style="list-style-type: none"> <li>Disturb by other electric wave</li> <li>The operation frequency of two transmitter is the same.</li> <li>The batteries voltage of the transmitter isn't enough.</li> </ul>	<ul style="list-style-type: none"> <li>Shorten the operation distance of the transmitter and the receiver.</li> <li>Move the receiver far away from interference sources.</li> <li>The same operation frequency of two transmitter should be avoided.</li> <li>Replace the batteries.</li> </ul>

## INTRODUCTION

Thank you for purchasing this wireless microphone system. Ensure a safety operation, you as user must observe these operating instruction. Please keep this manual in a safe place after finish it as for a reference when necessary in the future.

This series professional wireless microphone system, it adopts high efficiency and low consumption of transmitting technology, super sensitivity vhf high frequency receiver. With strict quality control, it offers you good performance.

### **MAIN CHARACTER**

- High s/n rate.
- Noises output is close to zero when the product is in standby situation.
- Wide frequency response range with good thd.
- Receiver on/off switch does not cause shock to ensure safety of amplifier and speaker system.
- Actual effective distance is over 40m in ideal conditions.
- With mono transmitting and two receiving channels, it offers better performance.
- It is workable in middle size stage, karaoke hall and family entertainment.

### **NOTICES**

1. Please choose the right voltage ( the wrong voltage will cause damage of product )
2. It is not allowed to take apart or redo the product, otherwise it will be damaged. it should be sent to service center for repair if necessary.
3. If the product is not going to use in a longer period of time, take out of the plug from power outlet for safety.

### **CLEAN**

1. It must be power off before repair or clean this product.
2. It is cleaned by soft cloth only. to remove the solid dirt, please dip \*the cloth with neutral scort to clean and dry with dry cloth after cleaning.
3. Don't put gas oil, chemical medicament on the surface avoiding of any destroy.

### **TO HOLD THE TRANSMITTER CAREFULLY**

1. The product will be damaged if the dirt, drod or sand draw into Case.
2. Any dropping down or heavy shock will cause of damage also.
3. This product is not water-proof, please avoid of any water-drop or tea on it.

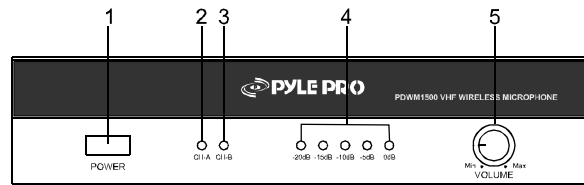
### **GUARANTEE**

Please stop use when this product operates out of order and cut down power sources immediately. It will be good for you to contact with local service center for checking.

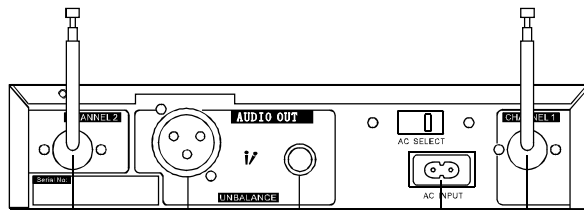
### **APPROVAL**

The law on the wireless system device is made by local government, and it is necessary to gain license for usage. The loace supplier should offer the user the rules of wireless system usage.

## RECEIVER



FRONT PANEL



REAR PANEL

- |                              |                          |
|------------------------------|--------------------------|
| 1.Power switch               | 6.Channel b antenna      |
| 2.Channel a signal indicator | 7.Audio output connector |
| 3.Channel b signal indicator | 8.Ac in connector        |
| 4.Audio indicator            | 9.Channel a antenna      |
| 5.Volume control             |                          |

### ANTENNA

Drawing out antenna 7 and 10 completely,adjusting the antenna 90° angle against floor. ( the installation of antenna will effect the performance of receiving )

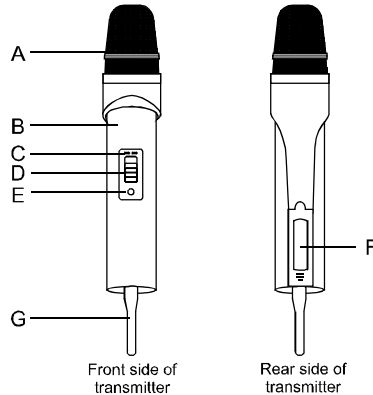
### INSTALLATION AND USAGE

1. The receiver should keep a certain distance with floor and wall to make sure good conditions for receiving signals.
2. Don't keep the receiver aside of digital control devices.
3. To connect the amplifier or mixer with receiver by audio cable and adjust the signal volume control accordingly.
4. Put the plug in the AC power outlet 9 and connect with local AC power sources.
5. Open the power switch 2,the power indicator should be on and adjust the volume control 6 to the lowest.

## TRANSMITTER

### HANDHELD MICROPHONE

- a. Cartridge grille
- b. Microphone body
- c. Working indicator
- d. Power switch
- e. Sensitivity adjustor
- f. Battery compartment
- g. Antenna



### INSTALLATION AND USAGE

1. To install the transmitting antenna g and open the battery compartment cover f to put two pieces of 1.5v "AA" battery. observe the right polarity when inserting the batteries.
2. To slide the switch d to "on" position and the power indicator c should be on light. in the same time, the receiver corresponding channel working indicator 3 or 4 will be on light also. it shows that the receiver is receiving signal from the microphone.
3. Adjust the receiver volume control 6, in the same time, the receiver af level display 5 will jump with music accordingly.
4. If the power indicator light is dim or blinking, replace the battery with new ones.
5. To a better performance of the microphone, please keep 3-5cm distance between the voice sources and microphone.

### REPLACEMENT OF BATTERY

1. The transmitter must be power off before replace the battery
2. Remove the battery from battery compartment if the transmitter is not going to use for longer period of time to prevent leaking of battery and damage of components of the device.

### PREPARATION OF VOICE TESTING

1. The frequency of the receiver and transmitter should be the same.
2. The distance between the antenna and transmitter is more than 1m.

### HOW TO AVOID OF WHISTLING

Whistling is because of microphone picks up the sound of speakers and creates feedback.

### OUR SUGGESTIONS

1. To turn down system volume
2. The transmitter should be used in a certain distance with the speaker
3. To reduce the sensitivity of transmitter